



molecules

IMPACT
FACTOR
4.6

Indexed in:
PubMed

CITESCORE
6.7

Special Issue Reprint

Steroid Compounds with Potential Biological Activity

www.mdpi.com/books/reprint/8522

Edited by

Marina Savić

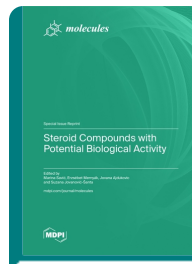
Erzsébet Mernyák

Jovana Ajdukovic

Suzana Jovanović-Šanta

ISBN 978-3-0365-9617-4 (Hardback)

ISBN 978-3-0365-9616-7 (PDF)



Steroids are a large group of compounds whose structure is based on a 17-carbon skeleton, with a specific cyclopentanoperhydrophenanthrene ring system. Natural steroids have been fine-tuned through evolution to build membranes; act as chemical messengers that regulate metabolic, immune and reproductive functions in animals and stimulate the growth of, or otherwise protect, animal organisms. The steroid core represents a suitable motive for structural modifications. Therefore, a large group of semi-synthetic steroid derivatives have occupied the attention of synthetic chemists as well as medicinal chemists due to their potential biological activity, including anticancer, antibacterial, anti-inflammatory and (anti)hormonal activities.

This Reprint of the Special Issue of *Molecules* titled “Steroid Compounds with Potential Biological Activity” is dedicated to both experimental and theoretical studies on steroid chemistry, structural biology, biosynthesis, metabolism, and pharmacology. The Issue focuses on the isolation and synthesis of steroid compounds, diverse in origin, as well as their structural characterization and identification. Published articles and reviews relate to in vitro and in silico studies of the pharmacological properties, molecular biology, biochemistry and structural biology of steroids.



Order Your Print Copy

You can order print copies at

www.mdpi.com/books/reprint/8522

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.